



# Faculty Development Programme on Blockchain

organized by

NSC Lab, IIT Allahabad with the support of AICTE ATAL Academy Programme  
(21<sup>st</sup> to 25<sup>th</sup> October 2019) URL: <https://blockchain.iiita.ac.in>  
Venue: Indian Institute of Information Technology, Allahabad



(An event under IIT-A beyond 20 by 2020)



## About the Programme

Blockchain is an emerging platform for developing decentralized applications and data storage, over and beyond its role as a platform for cryptocurrencies. Even though, blockchain technology has become popularly known because of its use in the implementation of Cryptocurrencies such as BitCoin, Ethereum, etc., the blockchain platform holds much more promise in various areas such as logging of important events in a system, recording transactions, e-governance etc. Hence, it is important to bring awareness among researchers & academicians and train manpower on Blockchain to do innovative research work, projects, and create knowledge base.

## Objectives of the Programme

- To disseminate of the knowledge of blockchain technology among students, researchers and academicians.
- To provide conceptual understanding of how blockchain technology can be used to innovate and improve business processes.
- The create awareness and interest in this technology among students, and researchers.
- Train manpower in the field of blockchain to fulfill the growing necessity.
- To discuss the current status of the blockchain development and research work in India and across the world.

## About IIT-Allahabad and NSC lab

The institution was founded in 1999, and in the following year received university status and the right to award its

own degrees. In 2014, the IIIT Act was passed, under which IIITA and four other Institutes of Information Technology funded by the Ministry of Human Resource Development were classed as Institutes of National Importance. Network Security & Cryptography (NSC) Laboratory under Department of Information Technology, IIT- Allahabad is established with the vision to solve the cyber security and privacy challenges faced by the individual, Government and Non-Government organization & industries. Various research areas in the field of Network Security and Cryptography is identified and research is initiated to fulfill the security requirements. NSC lab is started to provide necessary infrastructure to the students of IIT-Allahabad to carry out their research in the field of security and cryptography.

## Registration Process

Interested can register on or before 15<sup>th</sup> October 2019 at <https://blockchain.iiita.ac.in/register.php>. For more information visit <https://blockchain.iiita.ac.in>

## Participants

- Faculty
- Students (M.Tech and PhD)
- Researchers.

## Speakers

Experts from IIT-Kanpur and IIT - Allahabad

## Topics to be Covered

- Introduction to Blockchain
- Cryptographic Primitives
- Distributed Consensus
- Bitcoin
- Ethereum
- Hyperledger Fabric
- Blockchain in Supply Chain, Health Care, Identity, etc.
- Corda and IOTA
- Smart Contract
- Lab and Hands-on on the above.

## Registration fee

No Registration Fee

## Co-Ordinators

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## Correspondence

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